Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Estimate Cost:	**:**	**950.00 Lakhs**
Head of Account:	**:**	**Amrutha Nagrothana grants**
Sanction No	**:**	**Job No-002-23-000002**
Tender Amount	**:**	**Rs.8,81,41,302/-**
Tender Period	**:**	**9 Months**
Reference to Agreement No:	**:**	**EE(Project)/YNK Zone/WO/14/2022-23 date : 02-09-2022**
Name of Contractor and full Address:	**:**	**B.B Umesha, Class 1 Contractor Bangalore**
Date of Commencement as per agreement	**:**	**03-09-2022**
Date of Completion as per agreement	**:**	**02-06-2023**

Measurement Recorded On: 21/09/2022

Item No:04

Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work In all kinds of soils Depth upto 1.5 m

Description	Nos	L	B	D	Quantity
ISRO Layout					
East side	1	30.00	0.90	0.90	24.30
	1	12.40	0.90	0.90	10.04
Gate	1	3.80	0.90	0.90	3.08
	1	15.00	0.90	0.90	12.15
North side	1	20.00	0.90	0.90	16.20

C/2RC 21/9/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92.

21/09/2022

65.77

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	Description	Nos	L	B	D	Quantity
		1	30.00	0.90	0.90	24.30
		1	9.70	0.90	0.90	7.86
	Gate	1	1.50	0.90	0.90	1.22
		1	1.40	0.90	0.90	1.13
	East side	1	22.00	0.90	0.90	17.82
	North side	1	16.00	0.90	0.90	12.96
	West side	1	30.00	0.90	0.90	24.30
		1	30.00	0.90	0.90	24.30
		1	5.35	0.90	0.90	4.33
		1	19.00	0.90	0.90	15.39
		1	11.00	0.90	0.90	8.91
		1	18.90	0.90	0.90	15.31
					Total in Cum	223.60

(12Rc Amendrs 21/9/22)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Assistant Engineer
Project Division Yelahanka

21/09/2022

Contractor

Asst. Executive Engineer
Project Division Yelahanka

ARTN ASSOCIATES BANGALORE DATE NO

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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On: 22/09/2022

Item No:05

Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8 (M5) Using 40 mm nominal size graded crushed coarse aggregates

Description	Nos	L	B	D	Quantity
ISRO Layout					
East side	1	30.00	0.90	0.15	4.05
	1	12.40	0.90	0.15	1.67
Gate	1	3.80	0.90	0.15	0.51
	1	15.00	0.90	0.15	2.03
North side	1	20.00	0.90	0.15	2.70
	1	30.00	0.90	0.15	4.05
	1	9.70	0.90	0.15	1.31
Gate	1	1.50	0.90	0.15	0.20
	1	1.40	0.90	0.15	0.19
East side	1	22.00	0.90	0.15	2.97
North side	1	16.00	0.90	0.15	2.16
West side	1	30.00	0.90	0.15	4.05
	1	30.00	0.90	0.15	4.05
	1	5.35	0.90	0.15	0.72
	1	19.00	0.90	0.15	2.57
	1	11.00	0.90	0.15	1.49
	1	18.90	0.90	0.15	2.55
				Total in Cum	**37.27**

Checked
Executive Engineer
22/9/22
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangaloro - 92

PMC

Assistant Engineer 22/9/2022
Project Division Yelahanka

AARTH ASSOCIATES BANGALORE

Contractor

Asst. Executive Engineer
Project Division Yelahanka

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(4)

Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On:	27/09/2022
Item No:6	
Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	

Description	Nos	L	B	D			Quantity
1	2	3	4	5			6
ISRO Layout							
Below Ground Level 1st course							
East side	1	30.00	0.60	0.60 + 0.60 / 2.00			10.80
Gate	1	12.40	0.60	0.60 + 0.60 / 2.00			4.46
North side	1	3.80	0.60	0.60 + 0.60 / 2.00			1.37
	1	15.00	0.60	0.60 + 0.60 / 2.00			5.40
	1	20.00	0.60	0.60 + 0.60 / 2.00			7.20
North side	1	30.00	0.60	0.60 + 0.60 / 2.00			10.80
	1	9.70	0.60	0.60 + 0.60 / 2.00			3.49
	1	1.50	0.60	0.60 + 0.60 / 2.00			0.54
	1	1.40	0.60	0.60 + 0.60 / 2.00			0.50
	1	22.00	0.60	0.60 + 0.60 / 2.00			7.92
North side	1	16.00	0.60	0.60 + 0.60 / 2.00			5.76
West side	1	30.00	0.60	0.60 + 0.60 / 2.00			10.80
	1	30.00	0.60	0.60 + 0.60 / 2.00			10.80

Asst Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

27/9

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27/09/2022

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Description	Nos	L	B	D		G.	Quantity
	1	5.35	0.60	0.60	+	0.60	1.93
				2.00			
	1	19.00	0.60	0.60	+	0.60	6.84
				2.00			
	1	11.00	0.60	0.60	+	0.60	3.96
				2.00			
	1	18.90	0.60	0.60	+	0.60	6.80
				2.00			
Above Ground Level							
ISRO Layout							
South side	1	7.10	0.45	0.50	+	0.50	1.60
				2.00			
East side	1	30.00	0.45	0.90	+	0.85	11.81
				2.00			
	1	12.40	0.45	0.85	+	0.60	4.05
				2.00			
	1	15.00	0.45	0.60	+	0.70	4.39
				2.00			
North side	1	20.00	0.45	0.90	+	0.55	6.53
				2.00			
	1	30.00	0.45	0.66	+	0.65	8.84
				2.00			
	1	9.70	0.45	0.65	+	0.58	2.68
				2.00			
	1	1.40	0.45	0.60	+	0.60	0.38
				2.00			
East side	1	22.00	0.45	0.33	+	0.35	3.37
				2.00			
North side	1	16.00	0.45	0.33	+	0.45	2.81
				2.00			
West side	1	30.00	0.45	0.40	+	0.25	4.39
				2.00			
	1	30.00	0.45	0.25	+	0.53	5.27
				2.00			
	1	5.35	0.45	0.53	+	0.45	1.18
				2.00			
	1	19.00	0.45	0.30	+	0.40	2.99
				2.00			

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
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DATE
NO

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Description	Nos	L	B	D			Quantity
	1	11.00	0.45	0.40	+	0.45	2.10
				2.00			
	1	18.90	0.45	0.45	+	0.40	3.61
				2.00			
Total in Cum							165.370

C/F 159.65 (6)

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27/10/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Assistant Engineer 29/10/2022
Project Division Yelahanka

Contractor

Asst. Executive Engineer
Project Division Yelahanka

AARTN ASSOCIATES BANGALORE DATE

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(7)

Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On: 27/10/2022

Item No:11

Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates

Description	Nos	L	B	D	Quantity
Coping Concrete					
ISRO Layout					
South side	1	7.10	0.45	0.065	0.21
East side	1	30.00	0.45	0.065	0.88
	1	12.40	0.45	0.065	0.36
	1	15.00	0.45	0.065	0.44
North side	1	20.00	0.45	0.065	0.59
	1	30.00	0.45	0.065	0.88
	1	9.70	0.45	0.065	0.28
	1	1.40	0.45	0.065	0.04
East side	1	22.00	0.45	0.065	0.64
North side	1	16.00	0.45	0.065	0.47
West side	1	30.00	0.45	0.065	0.88
	1	30.00	0.45	0.065	0.88
	1	5.35	0.45	0.065	0.16
	1	19.00	0.45	0.065	0.56
	1	11.00	0.45	0.065	0.32
	1	18.90	0.45	0.065	0.55
For Poles					
Isro layout park	65	0.45	0.45	0.50	6.58
				Total in Cum	**14.71**

C&RC Kumaraswamy 27/10/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Assistant Engineer
Project Division Yelahanka
27/10/2022

Contractor

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On:	16 / 12 / 2022

Item No: EI 04

Providing ruled pointing to cursed stone masonry with lime mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost all materials, labour, usage charges of machinery, curing complete as pre specification (V-II, P.No-190, I No-21.10 of PWD SR 2021-22)

Description	Nos	L	B	D	Quantity
1	2	3	4	5	6
ISRO Layout					
South side	2	7.10		0.50 + 0.50 / 2.00	7.10
	2	30.00		0.90 + 0.85 / 2.00	52.50
	2	12.40		0.85 + 0.60 / 2.00	17.98
	2	15.00		0.60 + 0.70 / 2.00	19.50
	2	20.00		0.90 + 0.55 / 2.00	29.00
	2	30.00		0.66 + 0.65 / 2.00	39.30
	2	9.70		0.65 + 0.58 / 2.00	11.93
	2	1.40		0.60 + 0.60 / 2.00	1.68
	2	22.00		0.33 + 0.35 / 2.00	14.96
	2	16.00		0.33 + 0.45 / 2.00	12.48
West side	2	30.00		0.40 + 0.25 / 2.00	19.50
	2	30.00		0.25 + 0.53 / 2.00	23.40
	2	5.35		0.53 + 0.45 / 2.00	5.24
					254.57

C&R Kumaraby 16/12/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

AARIN ASSOCIATES BANGALORE DATE

16/12/2022

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Description	Nos	L	B	D	Quantity
	2	19.00		0.30 + 0.40	13.30
				2.00	
	2	11.00		0.40 + 0.45	9.35
				2.00	
	2	18.90		0.45 + 0.40	16.07
				2.00	
Puttenahalli lake bus depo to Anathapura gate	2	30.00		0.70 + 0.72	42.60
				2.00	
	2	30.00		0.72 + 0.47	35.70
				2.00	
	2	12.65		0.47 + 0.40	11.01
				2.00	
	2	30.00		0.50 + 0.40	27.00
				2.00	
	2	20.00		0.40 + 0.45	17.00
				2.00	
	2	30.00		0.45 + 0.56	30.30
				2.00	
	2	30.00		0.56 + 0.55	33.30
				2.00	
	2	30.00		0.55 + 0.53	32.40
				2.00	
	2	0.80		0.53 + 0.53	0.85
				2.00	
					293.289

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Assistant Engineer
Project Division Yelahanka

16/12/2022

Contractor

Asst. Executive Engineer
Project Division Yelahanka

AARTN ASSOCIATES
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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On: 16/12/2022

Item No:04

Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work In all kinds of soils Depth upto 1.5 m Qty up to 125%

Description	Nos	L	B	D	Quantity
Puttenahalli Lake from Bus depo to Anathapura gate	1	30.00	0.90	0.90	24.30
	1	30.00	0.90	0.90	24.30
	1	12.65	0.90	0.90	10.25
	1	30.00	0.90	0.90	24.30
	1	20.00	0.90	0.90	16.20
	1	30.00	0.90	0.90	24.30
	1	30.00	0.90	0.90	24.30
	1	30.00	0.90	0.90	24.30
	1	0.80	0.90	0.90	0.65
Isro Layout Pathway					
North to south	1	20.60	2.50	0.30	15.45
Gate portion	1	5.00	4.45	0.30	6.68
Gate	1	5.00	4.40	0.30	6.60
	1	28.00	2.50	0.30	21.00
East to west	1	30.00	2.50	0.30	22.50
	1	3.00	2.50	0.30	2.25
	1	3.00	2.00	0.30	1.80

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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16/12/2022

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	Description	Nos	L	B	D	Quantity
		1	30.00	2.50	0.30	22.50
		1	30.00	2.50	0.30	22.50
		1	30.00	2.50	0.30	22.50
		1	15.30	3.70	0.30	16.98
					Total in Cum	333.65

C/F 2479.17 (11)

C&PC
Executive Engineer
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Assistant Engineer 16/12/2022
Project Division Yelahanka

Contractor

Asst. Executive Engineer
Project Division Yelahanka

AARIN ASSOCIATES
DATE
BANGALORE

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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On: 20/12/2022

Item No:20

Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading,grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work. Qty up to 125%

Description	Nos	L	B			D	Quantity
1	2	3	4			5	6
For Pathway							
Isro layout North to south	1	20.60	2.00	+	2.00	0.25	10.30
			2.00				
Gate portion	1	5.00	3.10	+	5.20	0.25	5.19
			2.00				
Gate	1	5.00	5.20	+	3.00	0.25	5.13
			2.00				
	1	28.00	2.00	+	2.00	0.25	14.00
			2.00				
East to west	1	30.00	2.00	+	2.00	0.25	15.00
			2.00				
	1	3.00	2.00	+	2.00	0.25	1.50
			2.00				
Gate	1	3.00	1.60	+	1.50	0.25	1.16
			2.00				
	1	30.00	2.00	+	2.00	0.25	15.00
			2.00				
	1	30.00	2.00	+	2.10	0.25	15.38
			2.00				
	1	15.30	2.10	+	2.10	0.25	8.03
			2.00				
Opposite gate	1	9.30	3.30	+	3.30	0.25	7.67
			2.00				
						Total in Cum	98.355

Cpe Kumudhra 20/12/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

MARTN ASSOCIATES DAFF

PMC

Assistant Engineer 20/12/2022
Project Division Yelahanka

Contractor

Asst. Executive Engineer
Project Division Yelahanka

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13

Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On: 22/12/2022

Item No:EI-05

Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.

Description	Nos	L	B	D	Quantity
1	2	3	4	5	6
For Pathway					
Isro layout North to south	1	20.60	2.00 + 2.00 / 2.00	0.15	6.18
Gate portion	1	5.00	3.10 + 5.20 / 2.00	0.15	3.11
Gate	1	5.00	5.20 + 3.00 / 2.00	0.15	3.08
	1	28.00	2.00 + 2.00 / 2.00	0.15	8.40
East to west	1	30.00	2.00 + 2.00 / 2.00	0.15	9.00
	1	3.00	2.00 + 2.00 / 2.00	0.15	0.90
Gate	1	3.00	1.60 + 1.50 / 2.00	0.15	0.70
	1	30.00	2.00 + 2.00 / 2.00	0.15	9.00
	1	30.00	2.00 + 2.10 / 2.00	0.15	9.23
	1	15.30	2.10 + 2.10 / 2.00	0.15	4.82
Opposite gate	1	9.30	3.30 + 3.30 / 2.00	0.15	4.60
				Total in Cum	**59.013**

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92
22/12/22

Contractor

PMC

AARTN ASSOCIATES BANGALORE DATE

Assistant Engineer 22/12/2022
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On: 23/12/2022

Item No:8

Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregatesQty up to 125%

Description	Nos	L	B	D	Quantity
1	2	3	4	5	6
For Kerb bottom concrete					
Isro layout North to south	2	20.60	0.25 + 0.25 = 2.00	0.15	1.55
Gate portion	2	5.00	0.25 + 0.25 = 2.00	0.15	0.38
Gate	2	5.00	0.25 + 0.25 = 2.00	0.15	0.38
	2	28.00	0.25 + 0.25 = 2.00	0.15	2.10
East to west	2	30.00	0.25 + 0.25 = 2.00	0.15	2.25
	2	3.00	0.25 + 0.25 = 2.00	0.15	0.23
Gate	2	3.00	0.25 + 0.25 = 2.00	0.15	0.23
	2	30.00	0.25 + 0.25 = 2.00	0.15	2.25
	2	30.00	0.25 + 0.25 = 2.00	0.15	2.25
	2	15.30	0.25 + 0.25 = 2.00	0.15	1.15
Opposite gate	2	9.30	0.25 + 0.25 = 2.00	0.15	0.70
					13.44
For Pathway bottom concrete					
Isro layout North to south	1	20.60	2.00 + 2.00 = 2.00	0.15	6.18
Gate portion	1	5.00	3.10 + 5.20 = 2.00	0.15	3.11
					22.73

Cate Krumedra 23/12/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

23/12/2022

Cate Krumedra 23/12/22

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Description	Nos	L	B	D	Quantity
Gate	1	5.00	5.20 + 3.00 / 2.00	0.15	3.08
	1	28.00	2.00 + 2.00 / 2.00	0.15	8.40
East to west	1	30.00	2.00 + 2.00 / 2.00	0.15	9.00
	1	3.00	2.00 + 2.00 / 2.00	0.15	0.90
Gate	1	3.00	1.60 + 1.50 / 2.00	0.15	0.70
	1	30.00	2.00 + 2.00 / 2.00	0.15	9.00
	1	30.00	2.00 + 2.10 / 2.00	0.15	9.23
	1	15.30	2.10 + 2.10 / 2.00	0.15	4.82
Opposite gate	1	9.30	3.30 + 3.30 / 2.00	0.15	4.60
For Gajebo					
Vishveshwaraiah park	1*3.14*(7.40*7.40)/4			0.15	6.45
Sai baba (Cauvery) Park	1*3.14*(7.2*7.2)/4			0.15	6.10
Vishveshwaraiah park Benches	7	2.40	2.00 + 2.00 / 2.00	0.15	2.52
				Total in Cum	**87.525**

Cafe Laundry 23/12/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Contractor

Assistant Engineer
Project Division Yelahanka

23/12/2022

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On: 24/12/2022

Item No:05

Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8 (M5) Using 40 mm nominal size graded crushed coarse aggregates

Description	Nos	L	B	D	Quantity
Puttenahalli Lake from Bus depo to Anathapura gate	1	30.00	0.90	0.15	4.05
	1	30.00	0.90	0.15	4.05
	1	12.65	0.90	0.15	1.71
	1	30.00	0.90	0.15	4.05
	1	20.00	0.90	0.15	2.70
	1	30.00	0.90	0.15	4.05
	1	30.00	0.90	0.15	4.05
	1	30.00	0.90	0.15	4.05
	1	0.80	0.90	0.15	0.11
				Total in Cum	28.82

CEPS 24/12/2022

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Assistant Engineer 24/12/2022
Project Division Yelahanka

Contractor

Asst. Executive Engineer
Project Division Yelahanka

AARTN ASSOCIATES BANGALORE DATE

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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On:	27/12/2022

Item No:6

Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)

Description	Nos	L	B	D			Quantity
1	2	3	4	5			6
Below Ground Level 1st course							
Puttenahalli Lake from Bus depo to Anathapura gate	1	30.00	0.60	0.60	+	0.60	10.80
				2.00			
	1	30.00	0.60	0.60	+	0.60	10.80
				2.00			
	1	12.65	0.60	0.60	+	0.60	4.55
				2.00			
	1	30.00	0.60	0.60	+	0.60	10.80
				2.00			
							36.95
	1	20.00	0.60	0.60	+	0.60	7.20
				2.00			
	1	30.00	0.60	0.60	+	0.60	10.80
				2.00			
	1	30.00	0.60	0.60	+	0.60	10.80
				2.00			
	1	30.00	0.60	0.60	+	0.60	10.80
				2.00			
	1	0.80	0.60	0.60	+	0.60	0.29
				2.00			
							76.84
Above Ground Level							
Puttenahalli lake bus depo to Anathapura gate	1	30.00	0.45	0.70	+	0.72	9.59
				2.00			
	1	30.00	0.45	0.72	+	0.47	8.03
				2.00			
	1	12.65	0.45	0.47	+	0.40	2.48
				2.00			
							96.93

Asst. Executive Engineer
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BBMP, Bangalore - 92

29/12/22

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Description	Nos	L	B	D			Quantity
	1	30.00	0.45	0.50	+	0.40	6.08
				2.00			
	1	20.00	0.45	0.40	+	0.45	3.83
				2.00			
	1	30.00	0.45	0.45	+	0.56	6.82
				2.00			
	1	30.00	0.45	0.56	+	0.55	7.49
				2.00			
	1	30.00	0.45	0.55	+	0.53	7.29
				2.00			
	1	0.80	0.45	0.53	+	0.53	0.19
				2.00			
					Total in Cum		128.620

CRFC
29/12/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Assistant Engineer
Project Division Yelahanka

29/12/2022

Contractor

Asst. Executive Engineer
Project Division Yelahanka

AARTN ASSOCIATES BANGALORE

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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On: 02/01/2023

Item No:11

Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates

Description	Nos	L	B	D	Quantity
Coping Concrete					
Puttenahalli lake bus depo to Anathapura gate	1	30.00	0.45	0.065	0.88
	1	30.00	0.45	0.065	0.88
	1	12.65	0.45	0.065	0.37
	1	30.00	0.45	0.065	0.88
	1	20.00	0.45	0.065	0.59
	1	30.00	0.45	0.065	0.88
	1	30.00	0.45	0.065	0.88
	1	30.00	0.45	0.065	0.88
	1	0.80	0.45	0.065	0.02
For Poles					
Puttenahalli lake bus depo to Anathapura gate	85	0.45	0.45	0.50	8.61
				Total in Cum	**14.85**

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92
02/01/23

PMC

Assistant Engineer 02/1/2023
Project Division Yelahanka

AARTN ASSOCIATES BANGALORE DATE

Contractor

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work:-PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Detailed Measurements

Measurement Recorded On:	3/1/2023

Item No: EI 04

Providing ruled pointing to cursed stone masonry with lime mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost all materials, labour, usage charges of machinery, curing complete as pre specification (V-II, P.No-190, I No-21.10 of PWD SR 2021-22)

Description	Nos	L	B	D			Quantity
1	2	3	4	5			6
Puttenahalli lake bus depo to Anathapura gate	2	30.00		0.70	+	0.72	42.60
				2.00			
	2	30.00		0.72	+	0.47	35.70
				2.00			
	2	12.65		0.47	+	0.40	11.01
				2.00			
	2	30.00		0.50	+	0.40	27.00
				2.00			
	2	20.00		0.40	+	0.45	17.00
				2.00			
	2	30.00		0.45	+	0.56	30.30
				2.00			
	2	30.00		0.56	+	0.55	33.30
				2.00			
	2	30.00		0.55	+	0.53	32.40
				2.00			
	2	0.80		0.53	+	0.53	0.85
				2.00			
							230.154

Cepe Kumudraj 3/1/23

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Contractor

Assistant Engineer 3/1/2023
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

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